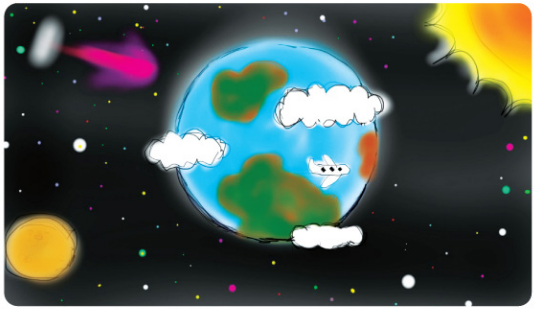
Love and Care

U.BO

User Manual

U.Bo Breeding Manual

• Introduction



U.Bo is an alien pet that comes from the distant nebulae. The cute alien pet spore, U.Bo lives in the U.Bo spacecraft. It comes to earth to look for the energy of "love" to save U. Bo planet through distant time travel.
A healthy U.Bo has six legs; the cute thing in your hand is the spacecraft that U.Bo lives in. A U.Bo spore grows in the U.Bo spacecraft; you can treat U.Bo like a pet. When you touch it, it will be happy, when you hit it, it will be upset and sad. If you shake it, it will also feel uncomfortable.

U.Bo can walk forward and back, turn left and right, make sound, and make funny faces. It is an alien life that looks for the energy of love. You need to treat it nicely, and accompany it to grow. When it's hungry, you need to feed it quickly with U.Bo cookies. U.Bo is often hungry, and it will call its owner to feed it. You can feed U.Bo here too, it eats special cookies. Feeding is a necessary condition to raise a healthy, outgoing and cute U.Bo. After eating, U.Bo will be happier and more outgoing. When it finishes eating, it will poop, pee, fart and burp. If you ignore it and do not feed it, it will become a lonely U.Bo without energy. Therefore, the way you take care of it will transfer the energy of love to it. This will decide whether U.Bo will be healthy or not. Therefore, please treat your U.Bo nicely.

The artificial intelligence engine of U.Bo can have interesting interaction with you. When you constantly feed it, it will gradually grow up. After they grow up, they will have different personalities, and different expressions and interactions. Its personality will differ according to the way it's treated. When two U.Bos meet, after absorbing the energy of love from the owner, U.Bos will call each other. The two U.Bos with the energy of happiness will sing, dance and kiss happily.

• The meaning of U.Bo

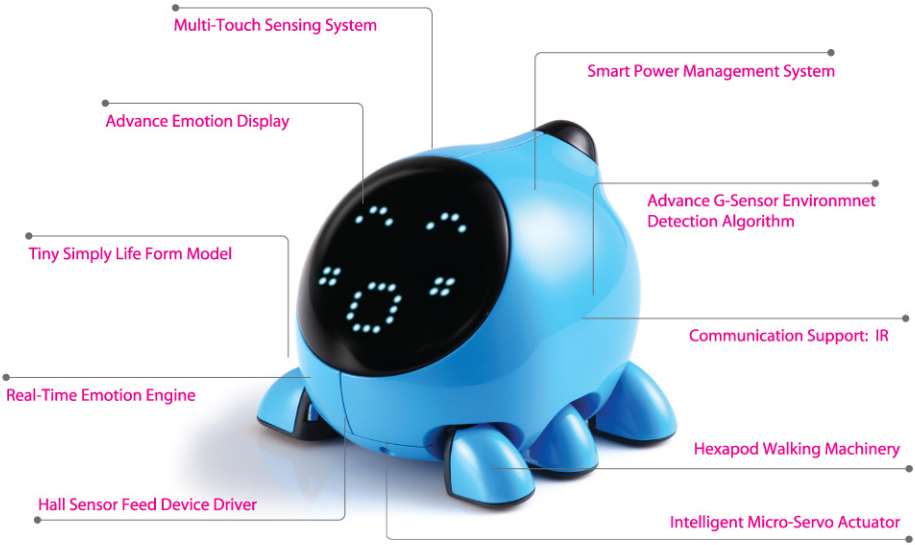
The meaning of U.Bo, "U" refers to You, which means "Designed for you." "Bo" refers to Ball, which means a round and mellow feeling. Its appearance is like a teardrop, wrapped an emotional display and a cute colorful tail.

• The survival energy of U.Bo

The survival of U.Bo relies on two kinds of energy, one is U.Bo spacecraft "power", the other one is the "energy of love". Power is the necessary condition to keep the U.Bo spacecraft operating. Once the U.Bo power is out, the entire U.Bo spacecraft will lose system operation, and create instability. At this time, you need to replace the energy system behind the U.Bo bum (battery cover), after replacing new batteries, U.Bo will continue to operate. U.Bo will also revive again.

In order to allow the power system of the U.Bo spacecraft to be more stable, it is recommended to use long-acting high capacity Ni-MH batteries, so the system can be used longer and save more power, or use alkaline batteries. It is not recommended to use regular batteries.

U.Bo Core Technology

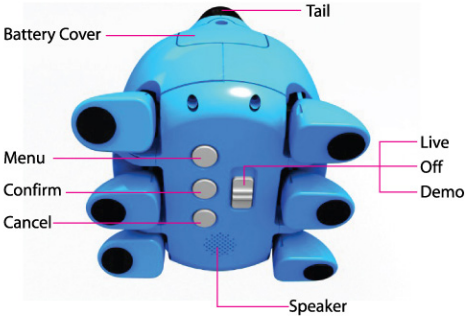


U.Bo is an advanced Robotics system. It is the result obtained by advanced artificial intelligence technology and the exploration of psychology. The system consists of a number of core technologies, which include the following:

- Embedded Real-Time Emotion Engine
- Low Cost Emotion Array Display System
- Advance Emotion Display: 11x11=121 Pixels.
- Multi-Touch Sensing System (Firmware Driver & Interface)
- Hall Sensor Feed Device Driver
- Embedded Micro-Servo Motor Controller & Driver
- Smart Power Management System
- Advance G-Sensor Environment Detection Algorithm
- Tiny Simply Life Form Kernel

U.Bo function operation manual

Description of U.Bo key switch and partial function:



Push Bottom

The Push Button provides the selection and setting method of U.Bo's various modes. There are three basic buttons.

●Menu:

Use in selecting system's function selection, the button can be used to select different items.

●Confirm:

Use to confirm the selected function, and enter the selected function content.

●Cancel:

Use in cancelling the current function selection, after pressing on this button, it will return to the most primitive state.

Slide Switch

●Live

There is an easy life display mode in U.Bo. After switching to this mode, it will start this function. The life breeding process and growth process will be processed here. When the switch is turned to this mode, it will start this function.

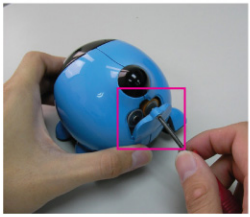
●Off

Turn off U.Bo and enter the shutdown mode. This feature can save power.

●Demo

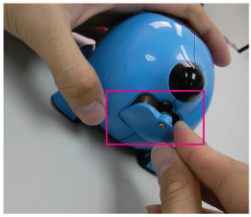
There is a Demo mode to display its function in U.Bo, which includes many kinds of games and the special functions of U.Bo.

U. Bo Robot Battery Installation Procedure

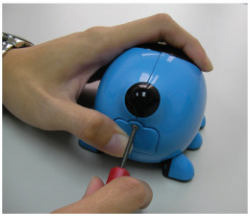


Step 1:
Use a screwdriver to screw the screw in a counterclockwise direction. Do not force the screw to open. When the screw lid pops up, the battery cover can be removed.

Step 2:
Install the battery in the right direction; do not reverse it.



Step 3:
Place the bottom of the battery cover near the battery holder.



Step 4:
Use a screwdriver to tighten the screw in a clockwise direction.

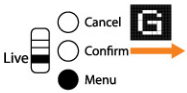
Battery replacement is complete.

Important Notice:

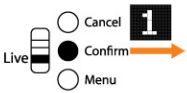
1. Before replacing a new battery, please pay attention to the positive and negative direction of the battery, do not reverse it.
2. Please do not press hard or hit U.Bo too hard.
3. If U.Bo cannot walk normally, please turn off the power and replace two new batteries.
4. In order to allow the power system of the U.Bo spacecraft to be more stable, it is recommended to use long-acting high capacity Ni-MH battery, so the system can be used longer and save more power, or use alkaline batteries. It is not recommended to use regular batteries.

U.Bo Menu Instructions

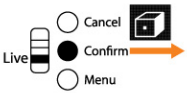
■ Game1 Dice game



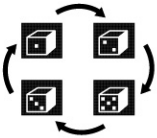
Turn the switch to Live and press "Menu".



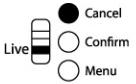
When the screen shows G, it is in the Game Menu; press "Confirm".



When the screen shows 1, it refers to Game 1; press "Confirm" to select the game.

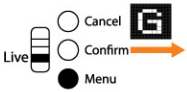


When the screen shows the picture of dice, you can shake U.Bo to play the Dice game.

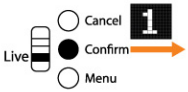


Return to Live mode.

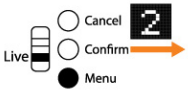
■ Game2 Nightlight function



Turn the switch to Live and press "Menu".

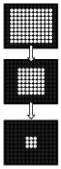


When the picture shows G, it refers to the Game Menu; press "Confirm" to enter the game Menu.



Press "Menu" again; the screen will show "1".

When "2" appears on the screen, press "Confirm" and enter the nightlight function.

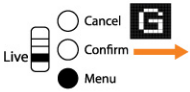


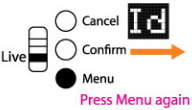
At this time, all the U.Bo lights will be on.

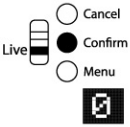
The brightness can be adjusted by touching U.Bo.

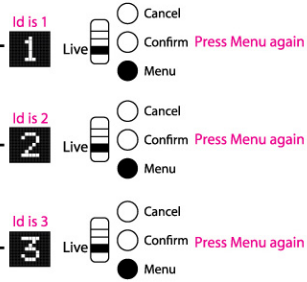
■ Infrared ID number setting

This function is applied to the usage of the infrared beacon, which will allow U.Bo to be able to do group dancing in the future. It is used to set each U.Bo's number. The user can set the U.Bo ID number to be able to recognize different U.Bos. The setting method is as follows:



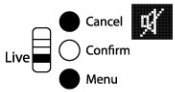






Press Confirm, Id setting completed.

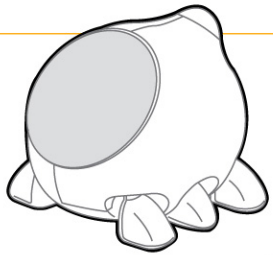
■ Mute



In Live mode, press "Cancel & Menu" at the same time. Turn off U.Bo Sound, and the "Mute" picture will be displayed.
Turn off power to re-boot or press "Cancel + Menu" again to restore the sound.

■ Reset

Allow adult U.Bo to return to the child period. The operation method is as follows:
press Cancel for 10 sec to return to child period.



How to interact with U.Bo

Start raising U.Bo

After placing the battery, be prepared to interact and communicate with U.Bo. After turning on the switch, you only have to switch the Slide Switch to the Live Mode. The U.Bo interaction methods are basically the following kinds.

1. Touch

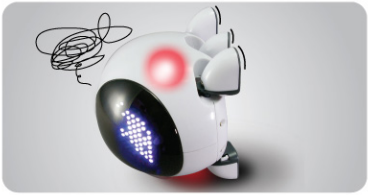
You can use your hand to touch U.Bo's bum and upper back, it will show a happy expression and make a happy sound, and interact with you. You can try a few times; slowly grasp the key to interact with U.Bo.

2. Hit

If you think U.Bo is being bad, you can hit U.Bo. The most sensitive location is its bum. It will cry and run away.

3. Shake

If you shake it too hard, it will also feel uncomfortable and cry. The sensor of U.Bo can detect how the user treats U.Bo. This process will be recorded in the memory of U.Bo, and affect its future personality.



4. Roll and Fall

When U.Bo falls, it will show an unpleasant and uncomfortable feeling. It will also constantly struggle to move. The uncomfortable feeling will also affect U.Bo's future personality.

5. Feed

U.Bo has its own food; you can find a piece of cookie in its accessories. Move the cookie gap toward U.Bo.

6. Clean Poop

After it finishes eating, it will poop. When it poops, you only have to pick up U.Bo, and shake it to clean up for U.Bo. U.Bo will be healthier if you help it clean up.

7. Play Games

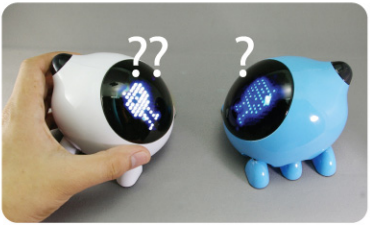
The adult U.Bo will accumulate more wisdom and will play games with its owner. There are many kinds of games, such as rolling dice, reading, and dancing. It not only can play games, it will also invite you to play with it. When it wants you to play with it, it will make a cute musical sound, and show the animation picture. Such as: if it is a dice game, it will show a dice picture, you only have to hold up U.Bo and shake it and it will sense the movement. At this time, the dice will continue to change until you stop and it will show the number.

8. Transfer Energy

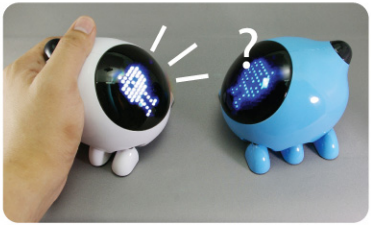
After U.Bo accumulates enough energy, it will transfer energy back to U.Bo's planet. At this time, U.Bo will show an antenna symbol, and make the jingle sound, which is it transferring the energy. If you touch it for a long time, this phenomenon will occur very frequently. This means that the energy of U.Bo is enough, and it's transferring it back.

9. Make Friends

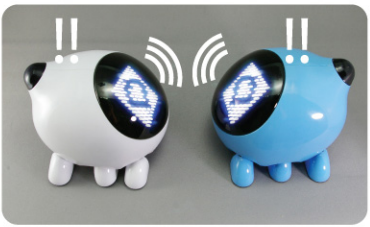
U.Bo will also make friends, when its spiritual energy is satisfied, it will transfer the energy. You only have to place another U.Bo in front of it, and then the U.Bo will make friends with the other one. When they know each other, they will start to dance and play. The process is as follows:



1. Let two U.Bo face each other



2. Touch one of the U.Bos to allow it to accumulate enough energy until Its face shows the antenna symbol.

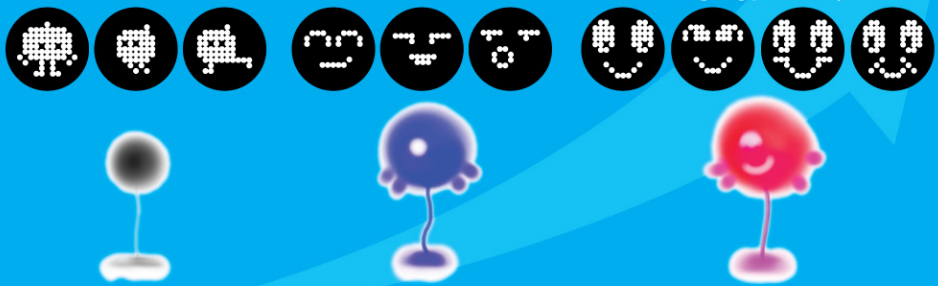


3.At this time, U.Bo will start to release the energy of love. After ensuring that they've known each other, they will dance and sing together.

4.Each U.Bo will go dance to get to know each other happily. The two U.Bo will kiss goodbye when it ends.

U.Bo Emotion and Interaction

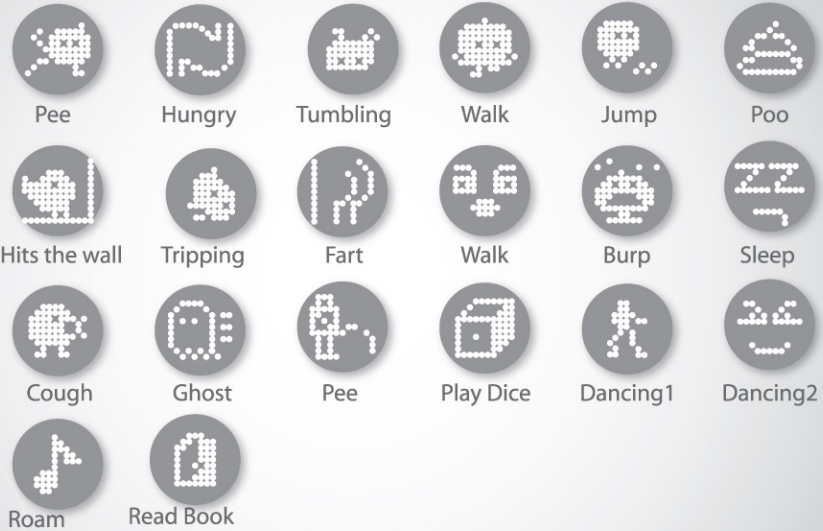
Grow up



U.Bo will grow to the 2nd stage when you rases U.Bo two hours later

U.Bo will grow to the 3nd stage when you rases U.Bo two hours later and have different personalities

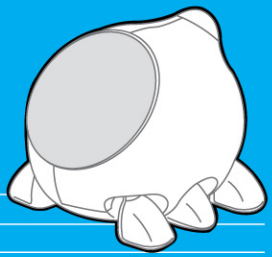
U.Bo Biological Clock



Love and Care

U.BO

http://sites.google.com/site/ubomagicland/



Product Specifications

Size	100mm X 85mm X76mm
Weight	210g
Emotion Display	Facial emotion display: 121 LED Cheek emotion display: 2 LED Tail emotion display: 1 LED
Battery	AA x2
Motor Actuator	DC Motors x2
Time of Use	With normal use condition, it can be used for a week 2 hours of continuous usage
Exercise Behavior	U.Bo can move forward, backward, turn left and right, spin, dance and roam
Speaker	0.5W
Real-time Emotion Engine	Three-dimensional space real-time emotion engine
Personality of U.Bo	It will have different personalities due to different care process
Acceleration Sensor	3-Axis Accelerometer
Feeding System	Magnetic sensor system
Mechanism Design	Six-leg motion mechanical
Communications Interface	Infrared communication mode. It allows U.Bo to make friends
Optional accessories	Infrared beacon speaker. Many U.Bo can dance together and communicate

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• This product is protected by patents in Taiwan, Japan and other countries.